

## **Focus Area 16: Maternal, Infant, and Child Health**

**Objective 16-5a** targets the reduction in maternal complications during hospitalized labor and delivery to a rate of 24.0 per 100 deliveries.

A total of 79,516 hospital discharge records with a complication of labor and delivery code in any diagnostic field were reported in 2000 among California residents, at a rate of 15.5 per 100 deliveries based on data extracted from the OSHPD Patient Discharge Data files (Figure 16-5a, Table 16-5a). A total of 77,225 discharge records were reported in 2001 at a rate of 15.2 per 100 deliveries; a total of 76,799 records in 2002 at a rate of 15.0 percent; and a total of 79,142 records in 2003 at a rate of 15.2 percent. California's rates for maternal complications during hospitalized labor and delivery were significantly lower than the target established in the HP2010 objective.

Data by race-ethnicity show that the highest rates of labor and delivery complications were found for American Indians/Alaska Natives (18.1 per 100 deliveries in 2003), followed by Asians/Pacific Islanders (16.5 per 100 deliveries in 2003) and African Americans/Blacks (16.5 per 100 deliveries in 2003). This HP2010 objective is being achieved for females of all racial and ethnic groups hospitalized for labor and delivery.

Examined by age, labor and delivery complication rates were highest for females under 15 years of age (18.2 per 100 deliveries in 2003), followed by females aged 15-19 years (16.9 per 100 deliveries in 2003). The HP2010 objective is being achieved for females in all age groups who are hospitalized for labor and delivery.

For more information on maternal complications of labor and delivery in California, visit the Maternal and Child Health Branch Web site at:

<http://www.mch.dhs.ca.gov/>

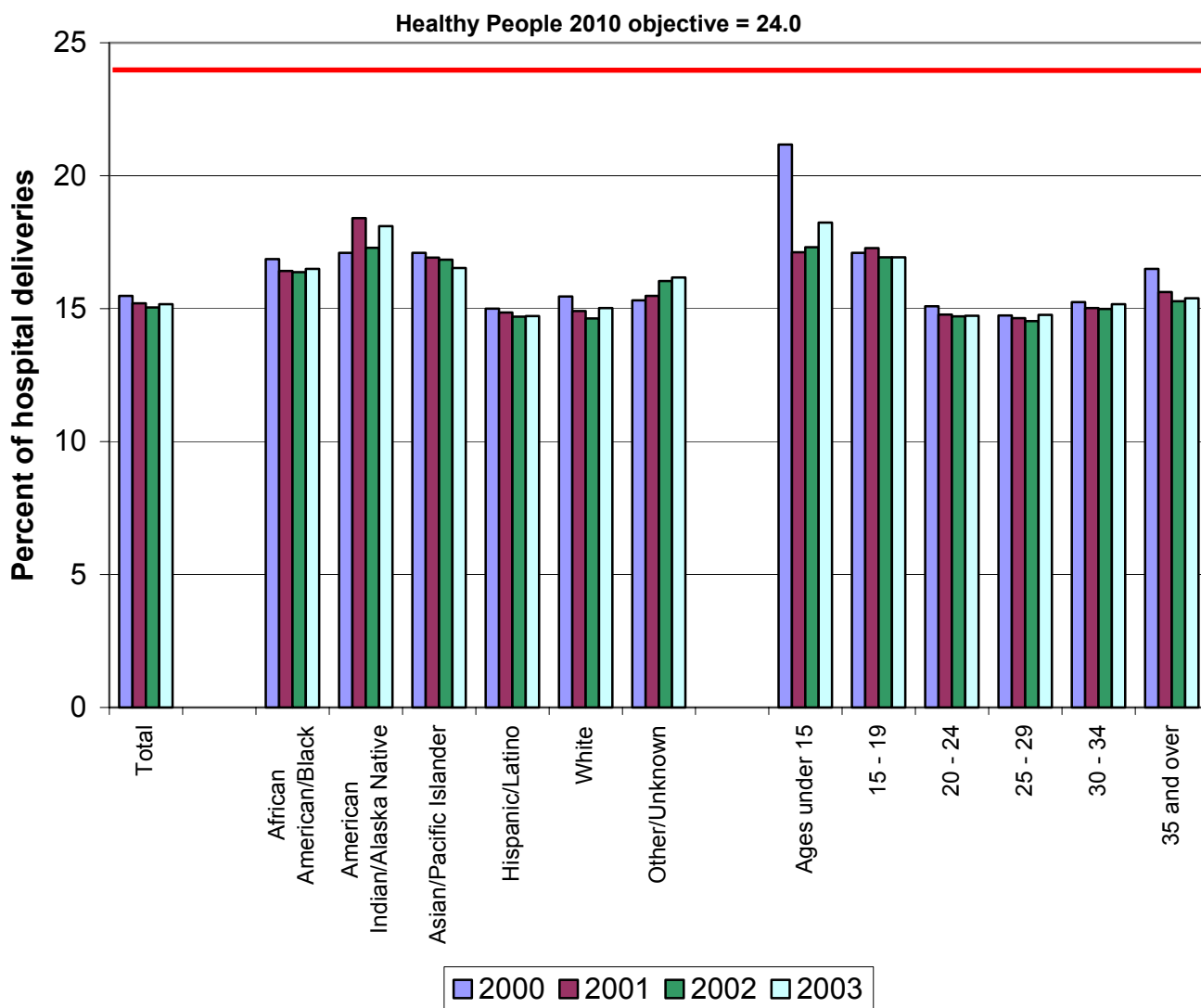
For more information on Healthy People 2010 objective 16-5a please visit:

[http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#\\_Toc494699661](http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#_Toc494699661)

and

<http://www.healthypeople.gov/Document/html/tracking/od16.htm#maternaldeaths>

**Figure 16-5a**  
**Maternal Complications During Hospitalized Labor and Delivery**  
**California, 2000-2003**



**Table 16-5a**  
**Maternal Complications During Hospitalized Labor and Delivery**  
**California, 2000-2003**

Labor and Delivery Complications*	2000					2001				
	L&D Comps <sup>1</sup>	Deliveries <sup>2</sup>	Rate <sup>3</sup>	Lower C.I.	Upper C.I.	L&D Comps <sup>1</sup>	Deliveries <sup>2</sup>	Rate <sup>3</sup>	Lower C.I.	Upper C.I.
<b>Healthy People 2010 Target</b>	<b>24.0</b>					<b>24.0</b>				
<b>CALIFORNIA TOTAL</b>	79,516	513,506	15.5	15.4	15.6	77,225	508,211	15.2	15.1	15.3
<b>Race-Ethnicity of Mother</b>										
African American/Black	5,077	30,107	16.9	16.4	17.3	4,739	28,863	16.4	16.0	16.8
American Indian/Alaska Native	204	1,193	17.1	15.0	19.2	254	1,380	18.4	16.4	20.5
Asian/Pacific Islander	8,338	48,759	17.1	16.8	17.4	8,128	48,027	16.9	16.6	17.3
Hispanic/Latino	34,887	232,659	15.0	14.8	15.1	34,861	234,665	14.9	14.7	15.0
White	27,328	176,746	15.5	15.3	15.6	25,562	171,488	14.9	14.7	15.1
Other/Unknown	3,680	24,039	15.3	14.9	15.8	3,680	23,775	15.5	15.0	15.9
<b>Maternal Age Group</b>										
Under 15	192	907	21.2	18.5	23.8	143	835	17.1	14.6	19.7
15 - 19	9,250	54,089	17.1	16.8	17.4	8,921	51,631	17.3	17.0	17.6
20 - 24	17,787	117,880	15.1	14.9	15.3	17,456	118,105	14.8	14.6	15.0
25 - 29	19,918	135,096	14.7	14.6	14.9	19,301	131,856	14.6	14.4	14.8
30 - 34	18,819	123,409	15.2	15.0	15.4	18,528	123,366	15.0	14.8	15.2
35 and over	13,550	82,125	16.5	16.2	16.8	12,876	82,418	15.6	15.4	15.9

Labor and Delivery Complications*	2002					2003				
	L&D Comps <sup>1</sup>	Deliveries <sup>2</sup>	Rate <sup>3</sup>	Lower C.I.	Upper C.I.	L&D Comps <sup>1</sup>	Deliveries <sup>2</sup>	Rate <sup>3</sup>	Lower C.I.	Upper C.I.
<b>Healthy People 2010 Target</b>	<b>24.0</b>					<b>24.0</b>				
<b>CALIFORNIA TOTAL</b>	76,799	510,438	15.0	14.9	15.1	79,142	521,682	15.2	15.1	15.3
<b>Race-Ethnicity of Mother</b>										
African American/Black	4,559	27,838	16.4	15.9	16.8	4,535	27,484	16.5	16.1	16.9
American Indian/Alaska Native	205	1,186	17.3	15.1	19.4	239	1,320	18.1	16.0	20.2
Asian/Pacific Islander	8,425	50,040	16.8	16.5	17.2	8,631	52,212	16.5	16.2	16.8
Hispanic/Latino	34,773	236,596	14.7	14.6	14.8	35,755	242,894	14.7	14.6	14.9
White	24,967	170,654	14.6	14.5	14.8	26,157	174,080	15.0	14.9	15.2
Other/Unknown	3,866	24,112	16.0	15.6	16.5	3,815	23,589	16.2	15.7	16.6
<b>Maternal Age Group</b>										
Under 15	148	855	17.3	14.8	19.8	132	724	18.2	15.4	21.0
15 - 19	8,288	48,943	16.9	16.6	17.3	8,161	48,216	16.9	16.6	17.3
20 - 24	17,409	118,338	14.7	14.5	14.9	17,527	118,980	14.7	14.5	14.9
25 - 29	19,261	132,546	14.5	14.3	14.7	20,065	135,855	14.8	14.6	15.0
30 - 34	18,835	125,615	15.0	14.8	15.2	19,743	130,120	15.2	15.0	15.4
35 and over	12,858	84,141	15.3	15.0	15.5	13,514	87,787	15.4	15.2	15.6

SOURCE: Office of Statewide Health Planning and Development, Patient Discharge Data Files, 2000-2003.

NOTES: <sup>1</sup> Labor and delivery complications defined by ICD-9-CM codes 641.0-641.9, 642.0-642.7, 642.9, 643.2, 646.2, 646.6-646.7, 648.0, 648.5-648.6, 648.8, 658.4, 659.2, 659.3, 664.2-664.3, 664.5, 665, 666, 668, 669.0-669.4, 670, 671.3-671.5, 672, 673, 674.0-674.3, 674.8-674.9 in any diagnostic field.

<sup>2</sup> Hospital deliveries only; "delivery" defined by DRG codes 370-375.

<sup>3</sup> Rate per 100 deliveries (percent).